

tvstudy v2.2.5 (4uoc83)

Database: localhost, Study: SavannahGA29D15kwincfF, Model: Longley-Rice

Start: 2021.08.24 13:20:06

Study created: 2021.08.24 13:20:06

Study build station data: LMS TV 2021-08-24

Proposal: W29EN-D D29 LD LIC SOPERTON, GA

Facility ID: 186377

Station data: User record

Record ID: 895

Country: U.S.

Build options:

Protect pre-transition records not on baseline channel

Stations potentially affected by proposal:

IX	Call	Chan	Svc	Status	City, State	File Number	Distance
No	W23FE-D	N14+	TX	LIC	Savannah, GA	BLTT20040915ADW	166.3 km
No	WJBF	D28	DT	LIC	AUGUSTA, GA	BLANK0000116201	151.3
No	WHMC	D28	DT	LIC	CONWAY, SC	BLANK0000115805	229.5
No	WJNI-LD	D28	LD	CP	NORTH CHARLESTON, SC	BLANK0000054748	83.6
No	WQMK-LD	D29	LD	LIC	CUSSETA, AL	BLANK0000143981	428.1
No	WTBZ-LP	N29z	TX	LIC	GAINESVILLE, FL	BLTTTL20050907ABX	373.8
No	WGFL	D29	DT	LIC	HIGH SPRINGS, FL	BLANK0000100460	354.1
No	WSWF-LD	D29	LD	LIC	ORLANDO, FL	BLANK0000106247	428.5
No	WQXT-CD	D29	DC	LIC	ST. AUGUSTINE, FL	BLANK0000098976	284.2
No	W29FO-D	D29	LD	CP	TALLAHASSEE, FL	BNPDTL20090825AMR	361.0
No	WFXL	D29	DT	CP	ALBANY, GA	BLANK0000150485	317.8
No	W48DU-D	D29	LD	CP	ALBANY, GA	BLANK0000052013	337.1
No	W29ED-D	D29	LD	CP	ASHBURN, GA	BNPDTL20100510ABD	284.7
No	W29DN-D	D29	LD	LIC	ATHENS, GA	BLDTL20140221ACE	274.1
No	W29DN-D	D29	LD	CP	ATHENS, GA	BPDTL20140228AEM	320.0
No	WYGA-CD	D29	DC	CP	ATLANTA, GA	BLANK0000127583	368.8
No	WYGA-CD	D29	DC	LIC	ATLANTA, GA	BLANK0000081313	368.8
No	WDZC-LD	D29	LD	CP	AUGUSTA, GA	BMPDTL20140528ACZ	167.6

No	W29FD-D	D29	LD	LIC	COLUMBUS, GA	BLANK0000095112	380.5
No	WJDO-LD	D29	LD	CP	MACON, GA	BLANK0000074456	267.3
No	W29FE-D	D29	LD	LIC	BAT CAVE, ETC., NC	BLANK0000073778	364.0
No	WNCB-LD	D29	LD	LIC	FAYETTEVILLE, NC	BLANK0000107110	335.9
No	WSFX-TV	D29	DT	LIC	WILMINGTON, NC	BLANK0000111706	305.3
No	WXLV-TV	D29	DT	LIC	WINSTON-SALEM, NC	BLCDT20050624ABB	394.4
No	W29EC-D	D29	LD	CP	FLORENCE, SC	BNPDTL20100409ABX	193.3
Yes	WAZS-LD	D29	LD	LIC	NORTH CHARLESTON, SC	BLDTL20100916ADH	83.6
No	WSQY-LD	D29	LD	LIC	SPARTANBURG, SC	BLANK0000136293	322.0
Yes	WRJA-TV	D29	DT	LIC	SUMTER, SC	BLANK0000153954	170.2
No	WAGT-CD	D30	DC	LIC	AUGUSTA, GA	BLANK0000063630	151.3
No	WMGT-TV	D30	DT	LIC	MACON, GA	BLANK0000075816	267.3
No	WLOW-LD	D30	LD	CP	Charleston, SC	BLANK0000157610	88.9
No	WLOW-LD	D30	LD	LIC	Charleston, SC	BLANK0000118486	62.8
No	W30DH-D	D30	LD	CP	FLORENCE, SC	BNPDTL20100409ABY	193.3
No	W30CV-D	D30	DC	CP	HILTON HEAD ISLAND, SC	BLANK0000127486	22.1
No	W30CV-D	D30	DC	LIC	HILTON HEAD ISLAND, SC	BLDTL20110110AAR	27.4
Yes	WSCG-LD	N32+	TX	LIC	BEAUFORT, ETC., SC	BLTT19970401JB	0.1

No non-directional AM stations found within 0.8 km

No directional AM stations found within 3.2 km

Record parameters as studied:

Channel: D29
 Mask: Full Service
 Latitude: 32 24 3.10 N (NAD83)
 Longitude: 80 44 21.40 W
 Height AMSL: 115.7 m
 HAAT: 0.0 m
 Peak ERP: 15.0 kW
 Antenna: Omnidirectional
 Elev Pattn: Generic

50.2 dBu contour:

Azimuth	ERP	HAAT	Distance
0.0 deg	15.0 kW	111.0 m	44.8 km

45.0	15.0	113.5	45.0
90.0	15.0	113.5	45.0
135.0	15.0	114.8	45.1
180.0	15.0	115.6	45.2
225.0	15.0	114.7	45.1
270.0	15.0	114.6	45.1
315.0	15.0	113.5	45.0

Database HAAT does not agree with computed HAAT
 Database HAAT: 0 m Computed HAAT: 114 m

Distance to Canadian border: 1041.4 km

Distance to Mexican border: 1722.7 km

Conditions at FCC monitoring station: Powder Springs GA
 Bearing: 294.7 degrees Distance: 404.9 km

Proposal is not within the West Virginia quiet zone area

Conditions at Table Mountain receiving zone:
 Bearing: 298.4 degrees Distance: 2346.7 km

Study cell size: 1.00 km
 Profile point spacing: 0.10 km

Maximum new IX to full-service and Class A: 0.50%
 Maximum new IX to LPTV: 2.00%

 Interference to BLDTL20100916ADH LIC scenario 1

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	WAZS-LD	D29	LD	LIC	NORTH CHARLESTON, SC	BLDTL20100916ADH	
Undesireds:	W29EN-D	D29	LD	LIC	SOPERTON, GA		83.6 km

W29DN-D	D29	LD	LIC	ATHENS, GA	BLDTL20140221ACE	299.9
WRJA-TV	D29	DT	LIC	SUMTER, SC	BLANK0000153954	107.0
WLOW-LD	D30	LD	CP	Charleston, SC	BLANK0000157610	13.3
W30CV-D	D30	DC	CP	HILTON HEAD ISLAND, SC	BLANK0000127486	105.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
4373.1 622,404	4373.1 622,404	3795.7 608,674	3602.5 606,196	5.09 0.41

Undesired	Total IX	Unique IX, before	Unique IX, after
W29EN-D D29 LD LIC 193.2	2,478	193.2 2,478	
WRJA-TV D29 DT LIC 577.5	13,730	577.5 13,730	

Interference to BLANK0000153954 LIC scenario 1

Call	Chan	Svc	Status	City, State	File Number	Distance
Desired: WRJA-TV	D29	DT	LIC	SUMTER, SC	BLANK0000153954	
Undesireds: W29EN-D	D29	LD	LIC	SOPERTON, GA		170.2 km
WJBF	D28	DT	LIC	AUGUSTA, GA	BLANK0000116201	154.0
WHMC	D28	DT	LIC	CONWAY, SC	BLANK0000115805	107.5
WYGA-CD	D29	DC	CP	ATLANTA, GA	BLANK0000127583	377.9
WSFX-TV	D29	DT	LIC	WILMINGTON, NC	BLANK0000111706	193.9
WXLV-TV	D29	DT	LIC	WINSTON-SALEM, NC	BLCDT20050624ABB	224.5
WAGT-CD	D30	DC	LIC	AUGUSTA, GA	BLANK0000063630	154.0

Service area	Terrain-limited	IX-free, before	IX-free, after	Percent New IX
24629.2 1,203,432	24505.9 1,201,310	23837.0 1,190,072	23836.0 1,190,072	0.00 0.00

Undesired	Total IX	Unique IX, before	Unique IX, after
W29EN-D D29 LD LIC 2.0	0	1.0 0	
WJBF D28 DT LIC 44.6	1,564	25.8 918	
WHMC D28 DT LIC 204.5	2,585	58.3 973	
WSFX-TV D29 DT LIC 250.6	3,433	86.3 1,617	
WXLV-TV D29 DT LIC 338.4	5,748	316.4 5,356	
WAGT-CD D30 DC LIC 17.8	644	0.0 0	

Interference to BLTT19970401JB LIC scenario 1

Desired:	Call WSCG-LD	Chan N32+	Svc TX	Status LIC	City, State BEAUFORT, ETC., SC	File Number BLTT19970401JB	Distance
Undesireds:	W29EN-D	D29	LD	LIC	SOPERTON, GA		0.1 km
	W31FD-D	D31	LD	CP	Soperton, GA	BLANK0000157640	20.4
	WJWJ-TV	D32	DT	LIC	BEAUFORT, SC	BLANK0000100564	34.9
	WMBF-TV	D32	DT	LIC	MYRTLE BEACH, SC	BLCDDT20091105AAP	214.1
	Service area		Terrain-limited		IX-free, before	IX-free, after	Percent New IX
	318.4	47,213	317.4	46,594	3.0	642	0.00 0.00
Undesired				Total IX	Unique IX, before	Unique IX, after	
W29EN-D D29 LD LIC		6.0		1,785		0.0	0
WJWJ-TV D32 DT LIC		314.4		45,952	313.4	44,167	
WMBF-TV D32 DT LIC		1.0		452	0.0	0	

Interference to proposal scenario 1

Desired:	Call W29EN-D	Chan D29	Svc LD	Status LIC	City, State SOPERTON, GA	File Number	Distance
Undesireds:	W29DN-D	D29	LD	LIC	ATHENS, GA	BLDTL20140221ACE	274.1 km
	WAZS-LD	D29	LD	LIC	NORTH CHARLESTON, SC	BLDTL20100916ADH	83.6
	WLOW-LD	D30	LD	CP	Charleston, SC	BLANK0000157610	88.9
	W30CV-D	D30	DC	CP	HILTON HEAD ISLAND, SC	BLANK0000127486	22.1
	Service area		Terrain-limited		IX-free	Percent IX	
	6363.7	196,968	6363.7	196,968	6266.6	196,879	1.53 0.05
Undesired				Total IX	Unique IX	Prcnt Unique IX	
WAZS-LD D29 LD LIC		97.1		89	97.1	89	1.53 0.05

Interference to proposal scenario 2

	Call	Chan	Svc	Status	City, State	File Number	Distance
Desired:	W29EN-D	D29	LD	LIC	SOPERTON, GA		
Undesireds:	W29DN-D	D29	LD	LIC	ATHENS, GA	BLDTL20140221ACE	274.1 km
	WAZS-LD	D29	LD	LIC	NORTH CHARLESTON, SC	BLDTL20100916ADH	83.6
	WLOW-LD	D30	LD	CP	Charleston, SC	BLANK00000157610	88.9
	W30CV-D	D30	DC	LIC	HILTON HEAD ISLAND, SC	BLDTL20110110AAR	27.4

Service area	Terrain-limited	IX-free	Percent IX
6363.7 196,968	6363.7 196,968	6261.5 195,726	1.61 0.63

Undesired	Total IX	Unique IX	Prcnt Unique IX
WAZS-LD D29 LD LIC 97.1 89 97.1 89	1.53 0.05		
W30CV-D D30 DC LIC 5.0 1,153 5.0 1,153	0.08 0.59		